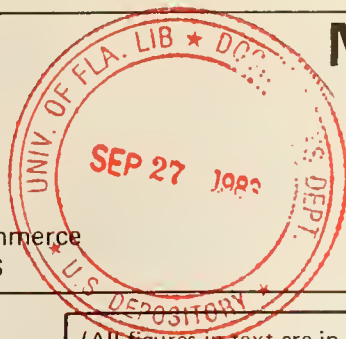




U.S. Department of Commerce
BUREAU OF THE CENSUS



Manufacturers' Shipments, Inventories, and Orders

JULY 1983

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(All figures in text are in seasonally adjusted current dollars)

New orders for manufactured goods in July declined \$3.0 billion or 1.7 percent to \$175.5 billion the Department of Commerce, Bureau of Census reported today. This is the first decline in orders since a 3.1 percent decrease in February, and the second since last October when orders reached a low of \$152.4 billion.

Shipments of manufactured goods were down \$0.8 billion or 0.5 percent to \$173.1 billion. This is the first decline in shipments since October, except for a slight 0.1 percent decrease in February. The backlog of orders held by manufacturers at the end of July was estimated at \$317.9 billion, up \$2.4 billion or 0.8 percent from June. This is the fifth consecutive monthly increase in the orders backlog, as the value of incoming orders has exceeded shipments by \$12.6 billion or 1.5 percent since February.

The book value of manufacturers' inventories was estimated at \$258.4 billion at the end of July, an increase of 0.4 percent over June and offsetting a 0.3 percent decline the prior month. Inventories had declined 13 consecutive months to a low of \$257.3 billion in March; since then the level has somewhat stabilized. Inventories by stage of fabrication over the last four months show an increase in raw materials and supplies of 0.7 percent, in work in process of 0.6 percent, and a slight decline in finished goods of 0.1 percent. The inventory to shipments ratio for July was 1.49, up from 1.48 in June.

The new orders decline in July was totally in the durable goods sector. The capital goods industries were down \$3.9 billion or 12.2 percent to \$28.3 billion; new orders for defense capital goods were down \$1.2 billion or 15.1 percent, following a 66 percent increase last month; while orders for nondefense capital goods declined \$2.7 billion or 11.3 percent to \$21.6 billion, following a 9.3 percent increase last month.

When grouping the orders data into major industry categories, the transportation equipment industry showed the largest decline, decreasing \$3.1 billion or 13.1 percent to \$20.4 billion, following a 28 percent increase in June. The volatile aircraft and parts industry caused most of the change in both months. Orders for nonelectrical machinery were down \$0.7 billion or 4.4 percent to \$14.8 billion.

The declines in orders for transportation equipment and nonelectrical machinery were partially offset by increases in orders for electrical machinery and primary metals. Orders for electrical machinery were up \$1.0 billion or 7.6 percent to \$14.5 billion, due to a large increase in the electronic components category. New orders for primary metals increased \$0.2 billion or 2.2 percent in July to \$10.3 billion with the

steel industry going up \$0.3 billion or 7.1 percent to \$4.2 billion. Steel orders reached a low last December of \$2.7 billion. Following that orders jumped 31 percent in January and 21 percent in February, but have been fluctuating around \$4.2 billion since then. Orders for nonferrous metals showed a slight decline in July of 0.5 percent to \$5.1 billion. Nonferrous metals orders reached a low of \$3.7 billion last October and have been generally increasing since then.

The decline in manufacturers' shipments in July was also concentrated in the durable goods sector, where shipments were down \$1.0 billion or 1.1 percent to \$85.6 billion. Although most of the industries showed decreases, the only significant decline was in the transportation equipment category. Shipments for that industry declined \$1.0 billion or 4.6 percent to \$19.7 billion, with the auto and aircraft components causing the decline. Shipments of machinery were down a slight 0.5 percent to \$28.3 billion.

Shipments of primary metals increased \$0.4 billion or 4.3 percent to \$10.2 billion, the fifth consecutive monthly increase in the series. The July shipments increase was almost entirely attributable to the nonferrous metals category.

Shipments in the nondurable goods sector in July were 87.5 billion; an increase of \$0.1 billion or 0.2 percent from June. There were offsetting movements in the specific industries with the petroleum and textile industries showing the largest increases and tobacco and food products showing the largest declines.

The backlog of manufacturers' orders continued to edge upward in July. The end of the month estimate was \$317.9 billion, 6.6 percent above the 1982 low of \$298.1 billion in November. Most of the specific industry categories showed increases. When the industry categories are grouped into the capital goods industries, the backlog of orders for defense capital goods increased \$0.9 billion or 0.9 percent to \$107.6 billion, while the backlog of orders for nondefense capital goods decreased \$1.1 billion or 0.9 percent to \$119.3 billion.

The increase in manufacturers' inventories in July was basically in the nondurable goods sector, where nearly all of the industry categories showed small increases. The slight decline in the durable goods sector resulted primarily from declines in nonelectrical machinery and primary metals offsetting increases in most of the other industries.

The advance report on durable goods for August is scheduled for release on September 22, 1983, and the full report is scheduled for release on October 3, 1983.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Swindell-Menth, (301) 763-2502.

For sale by Customer Services (DUSD) Bureau of the Census, Washington, D.C. 20233, or any U.S. Department of Commerce district office. Postage stamps not acceptable; currency submitted at sender's risk. Remittances from foreign countries must be by international money order or by a draft on a U.S. bank. Price, \$1.50 per copy, \$18.00 per year.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted ¹					
		Monthly				Percent change			Monthly				Year to date	
		July 1983P	June 1983P	May 1983P	Apr. 1983P	June-JulyP	May-JuneP	Apr.-MayP	July 1983P	June 1983P	May 1983P	Apr. 1983P	1983P	1982
	All manufacturing industries	173,111	173,920	167,965	163,065	-0.5	+3.5	+3.0	158,983	182,537	168,943	164,345	1,150,916	1,122,343
	Manufacturing industries with unfilled orders.....	88,980	88,931	85,450	83,741	+0.1	+4.1	+2.0	80,348	93,723	85,777	84,345	588,043	579,457
	Durable goods industries.....	85,630	86,582	82,669	80,241	-1.1	+4.7	+3.0	76,663	92,512	83,953	82,053	568,682	548,560
	With unfilled orders.....	70,290	70,447	67,347	65,955	-0.2	+4.6	+2.1	63,032	74,903	67,793	66,596	464,122	462,541
32	Stone, clay, and glass products.	4,037	4,150	4,039	3,885	-2.7	+2.7	+4.0	3,995	4,518	4,108	3,962	27,387	25,459
322	Glass containers.....	409	411	422	405	-0.5	-2.6	+4.2	405	458	430	407	2,886	2,830
33	Primary metals.....	10,160	9,744	9,481	8,958	+4.3	+2.8	+5.8	9,060	10,201	9,714	9,448	64,642	67,397
331	Blast furnaces, steel mills...	3,960	3,937	3,782	3,588	+0.6	+4.1	+5.4	3,520	4,122	3,774	3,792	25,753	31,051
333-9	Nonferrous and other primary metals.....	5,144	4,793	4,702	4,434	+7.3	+1.9	+6.0	4,645	4,971	4,876	4,656	32,377	29,854
34	Fabricated metal products.....	10,012	10,055	10,028	9,563	-0.4	+0.3	+4.9	9,219	10,757	10,198	9,773	67,864	68,000
341	Metal cans, barrels, and drums	926	942	932	909	-1.7	+1.1	+2.5	1,002	1,043	967	900	6,491	6,850
35	Machinery, except electrical....	15,486	15,224	14,429	14,117	+1.7	+5.5	+2.2	13,914	16,519	14,315	14,038	99,809	109,183
351	Engines and turbines.....	1,033	1,034	1,001	960	-0.1	+3.3	+4.3	883	1,122	999	974	6,929	8,127
352	Farm machinery and equipment...	858	888	937	905	-3.4	-5.2	+3.5	725	975	1,013	1,009	6,425	7,370
353	Construction, mining, and material handling equipment...	2,572	2,529	2,370	2,110	+1.7	+6.7	+12.3	2,472	2,638	2,385	2,180	15,819	21,654
354	Metalworking machinery.....	641	579	643	638	+10.7	-10.0	+0.8	560	642	623	618	4,396	6,069
356	General industrial machinery...	1,265	1,196	1,107	1,128	+5.8	+8.0	-1.9	1,150	1,298	1,128	1,125	8,210	9,293
357	Office and computing machines...	4,129	4,160	3,606	3,755	-0.7	+15.4	-4.0	3,522	4,501	3,329	3,372	24,944	22,098
36	Electrical machinery.....	12,792	13,193	12,738	12,619	-3.0	+3.6	+0.9	11,415	13,989	12,605	12,545	86,777	82,097
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	1,700	1,777	1,682	1,781	-4.3	+5.6	-5.6	1,480	1,912	1,729	1,790	12,273	13,159
363	Household appliances.....	1,307	1,227	1,258	1,201	+6.5	-2.5	+4.7	1,252	1,333	1,237	1,198	8,490	6,921
365	Radio and TV.....	726	734	732	759	-1.1	+0.3	-3.6	585	836	640	642	4,574	4,517
366	Communication equipment.....	4,015	4,292	3,943	3,994	-6.5	+8.9	-1.3	3,618	4,597	3,992	4,097	27,595	25,566
367	Electronic components.....	2,835	2,970	2,922	2,688	-4.5	+1.6	+8.7	2,563	3,050	2,916	2,763	19,510	18,361
37	Transportation equipment.....	19,679	20,631	19,057	18,510	-4.6	+8.3	+3.0	16,649	22,284	20,030	19,623	134,351	115,822
371	Motor vehicles and parts.....	12,447	12,847	12,097	11,006	-3.1	+6.2	+9.9	10,000	14,088	12,875	11,985	82,857	67,715
372,6	Aircraft, missiles, and parts.	5,785	6,285	5,508	5,924	-8.0	+14.1	-7.0	5,267	6,654	5,638	5,950	40,674	36,161
3731	Shipbuilding and military tank vehicles.....	795	824	770	854	-3.5	+7.0	-9.8	799	846	823	832	5,925	7,073
38	Instruments and related products	4,306	4,087	3,964	3,971	+5.4	+3.1	-0.2	3,864	4,378	3,906	3,892	27,817	28,094
381-4	Scientific and engineering instruments.....	2,536	2,375	2,308	2,297	+6.8	+2.9	+0.5	2,234	2,534	2,264	2,297	16,405	16,236
386	Photographic goods.....	1,534	1,510	1,454	1,466	+1.6	+3.9	-0.8	1,419	1,632	1,440	1,393	10,013	10,540
24,25, 39	All other durable goods.....	9,158	9,498	8,933	8,618	-3.6	+6.3	+3.7	8,547	9,866	9,077	8,772	60,035	52,508
	Nondurable goods industries.....	87,481	87,338	85,296	82,824	+0.2	+2.4	+3.0	82,320	90,025	84,990	82,292	582,234	573,783
	With unfilled orders.....	18,690	18,484	18,103	17,786	+1.1	+2.1	+1.8	17,316	18,820	17,984	17,749	123,921	116,916
20	Food and kindred products.....	24,026	24,217	24,339	23,460	-0.8	-0.5	+3.7	22,575	24,980	23,904	22,835	163,748	159,766
201	Meat products.....	5,631	5,762	5,710	5,664	-2.3	+0.9	+0.8	5,388	5,744	5,659	5,398	38,555	37,774
208	Beverages.....	3,794	3,504	3,662	3,491	+8.3	-4.3	+4.9	3,976	4,013	3,819	3,554	24,855	23,823
207	Fats and oils.....	1,335	1,438	1,442	1,234	-7.2	-0.3	+16.9	1,242	1,389	1,352	1,203	9,125	9,322
203-6,9	All other foods.....	10,119	10,333	10,313	9,956	-2.1	+0.2	+3.6	8,803	10,530	9,859	9,568	69,155	66,716
21	Tobacco products.....	1,337	1,763	1,405	1,267	-24.2	+25.5	+10.9	1,363	1,803	1,414	1,269	9,492	7,957
22	Textile mill products.....	4,534	4,395	4,270	4,166	+3.2	+2.9	+2.5	3,822	4,763	4,332	4,140	29,008	27,174
26	Paper and allied products.....	7,132	7,126	6,918	6,994	+0.1	+3.0	-1.1	6,684	7,423	6,975	7,070	48,529	46,385
261-3,6	Pulp, paper etc.	3,055	3,045	2,910	2,937	+0.3	+4.6	-0.9	2,851	3,187	2,995	2,998	20,640	19,939
265	Paperboard containers.....	1,611	1,591	1,548	1,516	+1.3	+2.8	+2.1	1,500	1,642	1,554	1,546	10,803	10,710
264	All other paper products.....	2,466	2,490	2,460	2,541	-1.0	+1.2	-3.2	2,333	2,594	2,426	2,526	17,086	15,736
28	Chemicals and allied products...	16,264	16,178	15,681	14,635	+0.5	+3.2	+7.1	14,729	17,010	16,307	15,351	108,331	103,481
281,6	Industrial chemicals, except pigments	5,346	5,186	4,871	4,687	+3.1	+6.5	+3.9	4,897	5,420	4,944	4,893	33,921	33,770
283,4	Drugs, soaps, and toiletries ..	4,057	4,222	4,164	3,929	-3.9	+1.4	+6.0	3,688	4,438	3,877	3,788	28,210	28,015
29	Petroleum and coal products	16,844	16,501	15,834	15,877	+2.1	+4.2	-0.3	16,529	16,789	15,835	15,431	108,812	120,584
30	Rubber and plastics products....	4,477	4,390	4,231	4,130	+2.0	+3.8	+2.4	4,163	4,614	4,237	4,280	29,473	29,687
23,27, 31	All other nondurable goods.....	12,867	12,768	12,618	12,295	+0.8	+1.2	+2.6	12,455	12,643	11,986	11,916	84,841	78,753
	Market categories:													
	Home goods and apparel.....	12,213	12,107	11,769	11,716	+0.9	+2.9	+0.5	11,220	12,411	11,182	11,220	78,955	73,947
	Consumer staples.....	31,937	32,713	32,423	31,133	-2.4	+0.9	+4.1	30,224	33,765	31,756	30,515	218,747	210,430
	Equipment and defense products, except automotive.....	25,230	25,424	23,448	23,992	-0.8	+8.4	-2.3	22,749	27,302	23,539	23,886	166,918	170,655
	Automotive equipment.....	14,306	14,783	13,998	12,886	-3.2	+5.6	+8.6	11,797	16,134	14,850	14,096	95,999	78,832
	Construction materials, supplies and intermediate products.....	13,236	13,552	13,018	12,311	-2.3	+4.1	+5.7	13,046	14,666	13,381	12,648	88,023	78,580
	Other materials, supplies, and intermediate products	76,189	75,341	73,309	71,027	+1.1	+2.8	+3.2	69,947	78,259	74,235	71,980	502,274	509,899
	Supplementary series: ²													
	Capital goods industries.....	28,416	28,953	26,788	27,402	-1.9	+8.1	-2.2	25,609	30,963	26,739	27,085	189,253	193,494
	Nondefense.....	22,622	23,616	21,612	22,131	-4.2	+9.3	-2.3	20,304	25,381	21,467	21,846	152,586	162,220
	Defense.....	5,794	5,337	5,176	5,271	+8.6	+3.1	-1.8	5,305	5,582	5,272	5,239	36,667	31,274
	Household durable goods industries.....	5,514	5,534	5,284	5,252	-0.4	+4.7	+0.6	4,800	5,656	5,152	5,127	35,234	32,963

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted ¹					
		Monthly				Percent change			Monthly				Year to date	
		July 1983 ^P	June 1983 ^F	May 1983 ^F	Apr. 1983 ^F	June-July ^P	May-June ^F	Apr.-May ^F	July 1983 ^P	June 1983 ^F	May 1983 ^F	Apr. 1983 ^F	1983 ^P	1982
	All manufacturing industries	175,486	178,489	169,874	166,025	-1.7	+5.1	+2.3	160,113	183,816	168,383	166,871	1,166,730	1,109,145
	Manufacturing industries with unfilled orders.....	91,355	93,500	87,359	86,701	-2.3	+7.0	+0.8	81,478	95,002	85,217	86,871	603,857	566,259
	Durable goods industries.....	87,719	90,905	84,456	83,101	-3.5	+7.6	+1.6	77,507	93,788	83,297	84,375	583,102	536,366
	With unfilled orders.....	72,379	74,770	69,134	68,815	-3.2	+8.2	+0.5	63,876	76,179	67,137	68,918	478,542	450,347
32	Stone, clay, and glass products.	4,037	4,233	4,061	3,913	-4.6	+4.2	+3.8	4,033	4,561	4,163	4,020	27,781	25,094
33	Primary metals.....	10,333	10,113	9,963	8,952	+2.2	+1.5	+11.3	9,012	9,886	9,546	9,143	67,371	62,788
331	Blast furnaces, steel mills...	4,202	3,925	4,173	3,481	+7.1	-5.9	+19.9	3,564	3,646	3,695	3,586	27,171	27,902
333-9	Nonferrous and other primary metals.....	5,083	5,109	4,714	4,519	-0.5	+8.4	+4.3	4,512	5,136	4,760	4,576	33,537	28,991
34	Fabricated metal products.....	9,880	10,133	10,036	9,313	-2.5	+1.0	+7.8	9,214	10,777	10,145	9,492	67,808	65,271
35	Machinery, except electrical...	14,782	15,467	14,956	14,806	-4.4	+3.4	+1.0	13,197	16,648	14,564	14,571	99,106	98,739
351	Engines and turbines.....	859	767	1,171	871	+12.0	-34.5	+34.4	682	713	1,136	862	6,148	6,829
353	Construction, mining, and material handling equipment..	2,521	2,543	2,539	2,122	-0.9	+0.2	+19.7	2,453	2,635	2,426	2,176	15,619	17,726
354	Metalworking machinery.....	745	610	694	619	+22.1	-12.1	+12.1	674	681	654	609	4,327	4,267
356	General industrial machinery..	1,198	1,079	1,096	1,117	+11.0	-1.6	-1.9	1,109	1,149	1,121	1,095	7,933	8,603
357	Office and computing machines.	3,657	4,739	3,649	4,510	-22.8	+29.9	-19.1	3,076	5,258	3,481	4,134	25,660	21,635
36	Electrical machinery.....	14,455	13,432	13,849	13,181	+7.6	-3.0	+5.1	12,749	13,863	13,372	13,242	92,013	86,141
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	1,711	1,898	1,480	1,778	-9.9	+28.2	-16.8	1,496	1,974	1,526	1,834	12,167	12,523
363	Household appliances.....	1,309	1,210	1,281	1,223	+8.2	-5.5	+4.7	1,267	1,326	1,269	1,223	8,672	6,970
365	Radio and TV.....	924	682	983	686	+35.5	-30.6	+43.3	814	883	878	538	4,892	4,625
366	Communication equipment.....	4,166	4,616	4,339	4,354	-9.7	+6.4	-0.3	3,428	4,330	4,245	4,334	29,158	29,609
367	Electronic components.....	4,121	2,817	3,561	2,984	+46.3	-20.9	+19.3	3,798	3,065	3,370	3,279	22,695	18,838
37	Transportation equipment.....	20,375	23,442	18,377	19,973	-13.1	+27.6	-8.0	16,410	23,387	18,167	20,720	138,542	117,184
372,6	Aircraft, missiles, and parts.	5,204	8,512	4,349	7,162	-38.9	+95.7	-39.3	4,214	7,950	3,863	6,705	43,815	39,518
3731	Shipbuilding and military tank vehicles.....	1,680	1,180	1,170	796	+42.4	+0.9	+47.0	1,098	543	774	1,064	6,209	6,326
38	Instruments and related products	4,532	4,340	4,045	4,072	+4.4	+7.3	-0.7	4,055	4,691	3,929	3,961	28,677	28,103
24,25, 39	All other durable goods.....	9,325	9,745	9,169	8,891	-4.3	+6.3	+3.1	8,837	9,975	9,411	9,226	61,804	53,046
	Nondurable goods industries.....	87,767	87,584	85,418	82,924	+0.2	+2.5	+3.0	82,606	90,028	85,086	82,496	583,628	572,779
	With unfilled orders.....	18,976	18,730	18,225	17,886	+1.3	+2.8	+1.9	17,602	18,823	18,080	17,953	125,315	115,912
	Market categories:													
	Home goods and apparel.....	12,370	12,144	12,210	11,702	+1.9	-0.5	+4.3	11,563	12,462	11,704	11,433	80,570	74,543
	Consumer staples.....	31,896	32,670	32,439	31,133	-2.4	+0.7	+4.2	30,241	33,727	31,719	30,486	218,675	210,429
	Equipment and defense products, except automotive.....	25,022	27,995	23,634	26,718	-10.6	+18.5	-11.5	21,350	28,004	22,387	25,827	169,918	169,382
	Automotive equipment.....	14,679	15,010	14,059	13,164	-2.2	+6.8	+6.8	12,268	16,258	14,794	14,201	96,699	77,750
	Construction materials, supplies and intermediate products.....	13,066	13,616	12,755	12,197	-4.0	+6.8	+4.6	12,908	14,669	13,229	12,607	88,316	77,212
	Other materials, supplies, and intermediate products.....	78,453	77,054	74,777	71,111	+1.8	+3.0	+5.2	71,783	78,696	74,550	72,317	512,552	499,829
	Supplementary series: ²													
	Capital goods industries.....	28,292	32,228	27,010	29,671	-12.2	+19.3	-9.0	24,148	31,888	25,428	28,890	193,987	189,253
	Nondefense.....	21,555	24,289	22,228	22,592	-11.3	+9.3	-1.6	19,505	25,574	21,315	22,093	149,645	148,916
	Defense.....	6,737	7,939	4,782	7,079	-15.1	+66.0	-32.4	4,643	6,314	4,113	6,797	44,342	40,337
	Household durable goods industries.....	5,669	5,538	5,701	5,249	+2.4	-2.9	+8.6	5,122	5,688	5,639	5,313	36,743	33,598

^PPreliminary. ^FRevised. The April data for fabricated metal products and motor vehicles and parts, and the May data for fabricated metal products, non-electrical machinery, motor vehicles and parts, and the petroleum industry were also revised.

¹Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are, as of the end of the period and are not adjusted for trading-day or calendar-month variations.

²The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted ¹				
		End of month				Percent change			End of month				
		July 1983P	June 1983F	May 1983F	Apr. 1983F	June- JulyP	May- JuneF	Apr.- MayF	July 1983P	June 1983F	May 1983F	Apr. 1983F	July 1982
	All manufacturing industries..	317,867	315,488	310,922	309,015	+0.8	+1.5	+0.6	315,553	314,420	313,139	313,705	308,204
	Durable goods industries.....	307,470	305,374	301,053	299,270	+0.7	+1.4	+0.6	305,178	304,334	303,057	303,720	299,441
32	Stone, clay, and glass products...	1,982	1,982	1,899	1,877	0.0	+4.4	+1.2	2,049	2,011	1,968	1,914	1,884
33	Primary metals.....	23,585	23,410	23,042	22,561	+0.7	+1.6	+2.1	23,021	23,068	23,383	23,551	21,836
331	Blast furnaces, steel mills.....	13,903	13,660	13,672	13,281	+1.8	-0.1	+2.9	13,486	13,442	13,918	13,998	12,835
333-9	Nonferrous and other primary metals.....	7,334	7,394	7,079	7,067	-0.8	+4.4	+0.2	7,224	7,357	7,192	7,307	6,451
34	Fabricated metal products.....	20,961	21,090	21,012	21,003	-0.6	+0.4	0.0	21,186	21,190	21,170	21,223	25,696
35	Machinery, except electrical.....	54,750	55,455	55,213	54,690	-1.3	+0.4	+1.0	54,830	55,547	55,416	55,167	62,784
351	Engines and turbines.....	14,445	14,620	14,888	14,719	-1.2	-1.8	+1.1	14,278	14,480	14,888	14,750	16,452
353	Construction, mining, and material handling equipment....	5,433	5,485	5,471	5,303	-0.9	+0.3	+3.2	5,433	5,452	5,455	5,414	7,491
354	Metalworking machinery.....	2,329	2,226	2,195	2,145	+4.6	+1.4	+2.3	2,327	2,212	2,173	2,143	3,156
356	General industrial machinery....	4,389	4,456	4,573	4,585	-1.5	-2.6	-0.3	4,415	4,456	4,605	4,613	5,614
357	Office and computing machines...	18,382	18,854	18,275	18,232	-2.5	+3.2	+0.2	18,860	19,306	18,549	18,396	19,433
36	Electrical machinery.....	64,981	63,317	63,078	61,967	+2.6	+0.4	+1.8	64,841	63,510	63,634	62,869	57,130
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	6,620	6,610	6,488	6,690	+0.2	+1.9	-3.0	6,656	6,640	6,578	6,780	7,096
363	Household appliances.....	442	441	458	435	+0.2	-3.7	+5.3	487	473	479	448	322
365	Radio and TV.....	678	480	532	281	+41.3	-9.8	+89.3	723	495	448	211	542
366	Communication equipment.....	40,580	40,428	40,105	39,710	+0.4	+0.8	+1.0	40,069	40,259	40,526	40,274	35,113
367	Electronic components.....	15,372	14,085	14,238	13,598	+9.1	-1.1	+4.7	15,602	14,367	14,352	13,898	12,793
37	Transportation equipment.....	128,292	127,593	124,783	125,463	+0.5	+2.3	-0.5	126,034	126,273	125,171	127,036	117,646
372,6	Aircraft, missiles, and parts...	97,600	98,181	95,954	97,112	-0.6	+2.3	-1.2	96,491	97,543	96,247	98,024	92,601
3731	Shipbuilding and military tank vehicles.....	24,063	23,177	22,822	22,422	+3.8	+1.6	+1.8	23,029	22,729	23,033	23,082	19,016
38	Instruments and related products..	7,799	7,573	7,320	7,239	+3.0	+3.5	+1.1	7,834	7,643	7,331	7,309	7,180
24,25, 39	All other durable goods.....	5,120	4,954	4,706	4,470	+3.4	+5.3	+5.3	5,383	5,092	4,984	4,651	4,798
	Nondurable goods industries.....	10,397	10,114	9,869	9,745	+2.8	+2.5	+1.3	10,375	10,086	10,082	9,985	8,763
	Market categories:												
	Automotive equipment.....	6,174	5,800	5,573	5,512	+6.4	+4.1	+1.1	6,050	5,580	5,456	5,512	5,382
	Construction materials, supplies and intermediate products.....	12,522	12,691	12,627	12,889	-1.3	+0.5	-2.0	12,741	12,879	12,876	13,028	15,357
	Other materials, supplies, and intermediate products	106,269	104,005	102,293	100,823	+2.2	+1.7	+1.5	105,411	103,571	103,133	102,819	98,222
	Supplementary series: ²												
	Capital goods industries.....	226,931	227,053	223,780	223,562	-0.1	+1.5	+0.1	224,451	225,912	224,984	226,297	219,879
	Nondefense.....	119,341	120,405	119,734	119,122	-0.9	+0.6	+0.5	119,340	120,141	119,945	120,098	132,114
	Defense.....	107,590	106,648	104,046	104,440	+0.9	+2.5	-0.4	105,111	105,771	105,039	106,199	87,765
	Household durable goods industries.....	3,730	3,575	3,572	3,156	+4.3	+0.1	+13.2	4,103	3,781	3,750	3,266	3,821

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted ¹				
		End of month				Percent change			End of month				
		July 1983P	June 1983 ^F	May 1983	Apr. 1983	June- JulyP	May- June ^F	Apr.- May	July 1983P	June 1983 ^F	May 1983	Apr. 1983	July 1982
	All manufacturing industries..	258,363	257,390	258,149	257,397	+0.4	-0.3	+0.3	257,607	257,931	260,480	260,170	273,877
	Manufacturing industries with unfilled orders.....	175,858	176,144	176,910	176,177	-0.2	-0.4	+0.4	176,574	177,543	179,163	178,223	189,117
	Durable goods industries.....	169,712	169,840	170,734	169,814	-0.1	-0.5	+0.5	169,613	170,623	172,589	171,819	181,969
	With unfilled orders.....	155,126	155,658	156,542	155,871	-0.3	-0.6	+0.4	155,373	156,431	158,170	157,503	167,490
32	Stone, clay, and glass products...	5,757	5,694	5,727	5,783	+1.1	-0.6	-1.0	5,792	5,797	5,923	5,975	6,073
322	Glass containers.....	617	630	640	654	-2.1	-1.6	-2.1	634	638	658	668	663
33	Primary metals.....	20,063	20,302	20,563	20,543	-1.2	-1.3	+0.1	20,006	20,152	20,584	20,660	23,804
331	Blast furnaces, steel mills.....	9,736	9,808	9,961	10,008	-0.7	-1.5	-0.5	9,716	9,681	9,851	9,848	12,342
333-9	Nonferrous and other primary metals.....	9,160	9,323	9,434	9,362	-1.7	-1.2	+0.8	9,142	9,295	9,528	9,587	10,247
34	Fabricated metal products.....	17,655	17,418	17,310	17,264	+1.4	+0.6	+0.3	17,727	17,710	17,726	17,670	19,393
341	Metal cans, barrels, and drums...	2,140	1,954	2,040	1,938	+9.5	-4.2	+5.3	2,249	2,173	2,293	2,194	1,952
35	Machinery, except electrical.....	37,260	37,842	38,197	38,269	-1.5	-0.9	-0.2	37,288	38,056	38,686	38,684	42,993
351	Engines and turbines.....	2,182	2,155	2,178	2,178	+1.3	-1.1	0.0	2,135	2,155	2,198	2,212	2,641
352	Farm machinery and equipment.....	1,899	1,953	1,901	1,913	-2.8	+2.7	-0.6	1,882	1,998	1,964	1,997	2,423
353	Construction, mining, and material handling equipment....	7,446	7,782	7,991	8,115	-4.3	-2.6	-1.5	7,468	7,852	8,103	8,220	10,256
354	Metalworking machinery.....	2,330	2,292	2,272	2,251	+1.7	+0.9	+0.9	2,342	2,301	2,296	2,269	2,660
356	General industrial machinery....	3,729	3,823	3,924	3,937	-2.5	-0.3	-0.3	3,736	3,857	3,947	3,973	4,096
357	Office and computing machines...	9,841	9,871	9,827	9,797	-0.3	+0.4	+0.3	9,940	9,881	9,905	9,748	9,770
36	Electrical machinery.....	26,804	26,711	26,424	26,165	+0.3	+1.1	+1.0	26,936	27,094	26,946	26,609	27,508
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	3,977	3,977	3,975	3,954	0.0	+0.1	+0.5	3,986	4,015	4,060	4,011	4,390
363	Household appliances.....	1,745	1,925	1,829	1,841	-9.4	+5.2	-0.7	1,772	2,019	1,962	1,948	1,977
365	Radio and TV.....	983	981	944	976	+0.2	+3.9	-3.3	1,030	1,009	991	985	1,327
366	Communication equipment.....	10,703	10,449	10,399	10,169	+2.4	+0.5	+2.3	10,683	10,461	10,477	10,297	10,049
367	Electronic components.....	5,446	5,381	5,353	5,320	+1.2	+0.5	+0.6	5,495	5,472	5,406	5,373	5,607
37	Transportation equipment.....	39,324	39,267	39,826	39,278	+0.1	-1.4	+1.4	38,961	38,943	39,739	39,424	38,305
371	Motor vehicles and parts.....	8,582	8,375	8,466	8,367	+2.5	-1.1	+1.2	8,071	8,092	8,333	8,328	8,137
372,6	Aircraft, missiles, and parts...	27,739	27,928	28,390	28,045	-0.7	-1.6	+1.2	27,962	27,928	28,466	28,209	26,934
3731	Shipbuilding and military tank vehicles.....	1,589	1,573	1,615	1,598	+1.0	-2.6	+1.1	1,597	1,592	1,605	1,603	1,701
38	Instruments and related products..	8,912	8,840	8,965	8,927	+0.8	-1.4	+0.4	8,981	9,039	9,153	9,088	9,668
381-4	Scientific and engineering instruments.....	6,403	6,360	6,489	6,474	+0.7	-2.0	+0.2	6,442	6,488	6,580	6,551	6,654
386	Photographic goods.....	1,967	1,952	1,956	1,925	+0.8	-0.2	+1.6	1,996	2,014	2,036	2,000	2,411
24,25, 39	All other durable goods.....	13,937	13,766	13,722	13,585	+1.2	+0.3	+1.0	13,922	13,832	13,832	13,709	14,225
	Nondurable goods industries.....	88,651	87,550	87,415	87,583	+1.3	+0.2	-0.2	87,994	87,308	87,891	88,351	91,908
	With unfilled orders.....	20,732	20,486	20,368	20,306	+1.2	+0.6	+0.3	21,201	21,112	20,993	20,720	21,627
20	Food and kindred products.....	20,538	20,201	20,496	20,536	+1.7	-1.4	-0.2	19,642	19,136	19,641	20,055	20,163
201	Meat products.....	2,017	1,970	2,043	2,021	+2.4	-3.6	+1.1	1,950	1,966	2,066	2,114	2,010
208	Beverages.....	3,606	3,687	3,685	3,599	-2.2	+0.1	+2.4	3,451	3,609	3,692	3,671	3,475
207	Fats and oils.....	1,299	1,187	1,226	1,359	+9.4	-3.2	-9.8	1,125	1,099	1,188	1,365	1,154
203-6,9	All other foods.....	11,865	11,636	11,833	11,861	+2.0	-1.7	-0.2	11,319	10,705	10,934	11,185	11,798
21	Tobacco products.....	5,038	4,708	4,609	4,707	+7.0	+2.1	-2.1	4,484	4,416	4,503	4,754	4,310
22	Textile mill products.....	6,604	6,478	6,349	6,225	+1.9	+2.0	+2.0	6,601	6,561	6,574	6,409	6,373
26	Paper and allied products.....	8,387	8,326	8,347	8,304	+0.7	-0.3	+0.5	8,482	8,545	8,597	8,507	8,670
261-3,6	Pulp, paper etc.	3,253	3,272	3,305	3,302	-0.6	-1.0	+0.1	3,249	3,315	3,373	3,348	3,377
265	Paperboard containers.....	2,163	2,152	2,155	2,162	+0.5	-0.1	-0.3	2,225	2,238	2,218	2,213	2,255
264	All other paper products.....	2,971	2,902	2,887	2,840	+2.4	+0.5	+1.7	3,008	2,992	3,006	2,946	3,038
28	Chemicals and allied products....	19,449	19,253	19,267	19,401	+1.0	-0.1	-0.7	19,367	19,176	19,521	19,760	21,004
281,6	Industrial chemicals, except pigments	5,682	5,789	5,862	5,932	-1.8	-1.2	-1.2	5,722	5,794	5,968	6,015	6,804
283,4	Drugs, soaps, and toiletries ...	6,215	6,150	6,206	6,186	+1.1	-0.9	+0.3	6,265	6,292	6,367	6,285	6,532
29	Petroleum and coal products	8,499	8,505	8,584	8,588	-0.1	-0.9	0.0	8,607	8,493	8,517	8,542	9,368
30	Rubber and plastics products.....	5,608	5,734	5,656	5,638	-2.2	+1.4	+0.3	5,577	5,790	5,822	5,901	6,068
23,27, 31	All other nondurable goods.....	14,528	14,345	14,107	14,184	+1.3	+1.7	-0.5	15,234	15,191	14,716	14,423	15,952
	Market categories:												
	Home goods and apparel.....	20,323	20,226	19,893	19,800	+0.5	+1.7	+0.5	20,899	21,149	20,767	20,189	21,916
	Consumer staples.....	33,456	32,812	32,982	32,998	+2.0	-0.5	0.0	32,308	31,782	32,276	32,726	33,132
	Equipment and defense products, except automotive.....	72,880	73,193	74,126	73,713	-0.4	-1.3	+0.6	73,046	73,523	74,804	74,405	77,649
	Automotive equipment.....	10,638	10,426	10,509	10,297	+2.0	-0.8	+2.1	10,032	10,101	10,406	10,331	10,254
	Construction materials, supplies and intermediate products.....	19,030	18,777	18,545	18,604	+1.3	+1.3	-0.3	18,964	18,961	18,855	18,990	19,689
	Other materials, supplies, and intermediate products	102,036	101,956	102,094	101,985	+0.1	-0.1	+0.1	102,358	102,415	103,372	103,529	111,237
	Supplementary series: ²												
	Capital goods industries.....	82,728	83,256	84,006	83,447	-0.6	-0.9	+0.7	83,009	83,650	84,838	84,246	87,439
	Nondefense.....	65,608	65,945	66,766	66,597	-0.5	-1.2	+0.3	65,636	66,088	67,388	67,305	72,796
	Defense.....	17,120	17,311	17,240	16,850	-1.1	+0.4	+2.3	17,373	17,562	17,450	16,941	14,643
	Household durable goods industries.....	9,770	9,862	9,786	9,749	-0.9	+0.8	+0.4	9,930	10,130	10,105	9,929	10,747

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

SIC Code	Industry	(Millions of Dollars)											
		Seasonally adjusted							Not seasonally adjusted				
		End of Month				Percent change			End of Month				
		July 1983P	June 1983 ^r	May 1983	Apr. 1983	June-July ^p	May-June ^r	Apr.-May	July 1983P	June 1983 ^r	May 1983	Apr. 1983	July 1982
	MATERIALS AND SUPPLIES												
	All manufacturing industries..	85,453	85,322	85,174	84,990	+0.2	+0.2	+0.2	85,186	85,019	85,427	85,633	91,711
	Durable goods industries.....	50,307	50,333	50,582	50,268	-0.1	-0.5	+0.6	50,417	50,238	50,545	50,320	55,455
32	Stone, clay, and glass products...	1,920	1,911	1,928	1,950	+0.5	-0.9	-1.1	1,935	1,917	1,929	1,956	2,099
33	Primary metals	6,821	6,944	7,078	7,181	-1.8	-1.9	-1.4	6,760	6,816	6,901	7,000	8,614
34	Fabricated metal products.....	6,753	6,657	6,712	6,641	+1.4	-0.8	+1.1	6,829	6,676	6,771	6,734	7,235
35	Machinery, except electrical.....	10,700	10,769	10,998	10,912	-0.6	-2.1	+0.8	10,749	10,793	11,015	10,979	11,988
36	Electrical Machinery.....	7,214	7,283	7,206	7,117	-0.9	+1.1	+1.3	7,380	7,372	7,312	7,233	7,882
37	Transportation equipment.....	9,393	9,281	9,123	8,928	+1.2	+1.7	+2.2	9,240	9,271	9,179	8,972	9,276
38	Instruments and related products..	2,479	2,489	2,601	2,643	-0.4	-4.3	-1.6	2,488	2,521	2,606	2,651	3,012
24, 25, 39	All other durable goods.....	5,027	4,999	4,936	4,896	+0.6	+1.3	+0.8	5,036	4,872	4,832	4,795	5,349
	Nondurable goods industries.....	35,146	34,989	34,592	34,722	+0.4	+1.1	-0.4	34,769	34,781	34,882	35,313	36,256
20	Food and kindred products.....	7,521	7,530	7,539	7,699	-0.1	-0.1	-2.1	7,289	7,269	7,444	7,729	7,418
21	Tobacco products.....	4,334	4,172	4,047	4,147	+3.9	+3.1	-2.4	3,892	3,926	3,991	4,220	3,886
22	Textile mill products.....	2,062	1,941	1,892	1,839	+2.6	+2.6	+2.9	2,071	2,002	1,985	1,924	1,936
26	Paper and allied products.....	4,132	4,157	4,151	4,138	-0.6	+0.1	+0.3	4,204	4,201	4,175	4,180	4,351
28	Chemicals and allied products.....	7,253	7,265	7,212	7,253	-0.2	+0.7	-0.6	7,285	7,225	7,335	7,427	8,065
29	Petroleum and coal products.....	2,387	2,477	2,446	2,368	-3.6	+1.3	+3.3	2,394	2,519	2,542	2,432	2,390
30	Rubber and plastics products.....	1,970	2,050	2,001	1,969	-3.9	+2.4	+1.6	2,002	2,077	2,008	1,999	2,160
23, 27, 31	All other nondurable goods.....	5,487	5,397	5,304	5,309	+1.7	+1.8	-0.1	5,632	5,562	5,402	5,402	6,302
	WORK IN PROCESS												
	All manufacturing industries..	90,595	90,134	90,860	90,365	+0.5	-0.8	+0.5	90,423	89,982	91,464	91,118	94,245
	Durable goods industries.....	76,181	75,928	76,686	76,018	+0.3	-1.0	+0.9	76,009	75,830	77,118	76,619	78,839
32	Stone, clay, and glass products...	795	843	829	814	-5.7	+1.7	+1.8	792	874	873	876	889
33	Primary metals	7,331	7,202	7,285	7,330	+1.8	-1.1	-0.6	7,412	7,207	7,365	7,381	8,648
34	Fabricated metal products.....	6,155	6,058	6,011	5,948	+1.6	+0.8	+1.1	6,217	6,190	6,177	6,097	6,785
35	Machinery, except electrical.....	15,219	15,473	15,621	15,647	-1.6	-0.9	-0.2	15,044	15,336	15,752	15,760	17,486
36	Electrical Machinery.....	14,280	13,985	13,888	13,690	+2.1	+0.7	+1.4	14,267	14,087	14,023	13,829	13,561
37	Transportation equipment.....	25,120	25,117	25,837	25,445	0.0	-2.8	+1.5	24,964	24,813	25,659	25,494	24,042
38	Instruments and related products..	4,002	4,027	4,005	3,949	-0.6	+0.5	+1.4	4,026	4,083	4,060	4,015	4,141
24, 25, 39	All other durable goods.....	3,279	3,223	3,210	3,195	+1.7	+0.4	+0.5	3,287	3,240	3,209	3,167	3,287
	Nondurable goods industries.....	14,414	14,206	14,174	14,347	+1.5	+0.2	-1.2	14,414	14,152	14,346	14,499	15,406
20	Food and kindred products.....	1,748	1,710	1,759	1,785	+2.2	-2.8	-1.5	1,692	1,702	1,770	1,771	1,868
21	Tobacco products.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
22	Textile mill products.....	2,096	2,098	2,048	2,024	-0.1	+2.4	+1.2	2,076	2,060	2,073	2,057	2,031
26	Paper and allied products.....	1,114	1,038	1,034	1,026	+7.3	+0.4	+0.8	1,117	1,070	1,052	1,049	1,067
28	Chemicals and allied products.....	3,324	3,267	3,261	3,331	+1.7	+0.2	-2.1	3,312	3,262	3,323	3,384	3,540
29	Petroleum and coal products.....	1,768	1,820	1,859	1,846	-2.9	-2.1	+0.7	1,805	1,823	1,874	1,892	2,327
30	Rubber and plastics products.....	990	970	922	981	+2.1	+5.2	-6.0	978	948	923	1,002	1,155
23, 27, 31	All other nondurable goods.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
	FINISHED GOODS												
	All manufacturing industries..	82,315	81,934	82,115	82,042	+0.5	-0.2	+0.1	81,998	82,930	83,589	83,419	87,921
	Durable goods industries.....	43,224	43,579	43,466	43,528	-0.8	+0.3	-0.1	43,187	44,555	44,926	44,880	47,675
32	Stone, clay, and glass products...	3,042	2,940	2,970	3,019	+3.5	-1.0	-1.6	3,065	3,006	3,121	3,143	3,085
33	Primary metals	5,911	6,156	6,200	6,032	-4.0	-0.7	+2.8	5,834	6,129	6,318	6,279	6,542
34	Fabricated metal products.....	4,747	4,703	4,587	4,675	+0.9	+2.5	-1.9	4,681	4,844	4,778	4,839	5,373
35	Machinery, except electrical.....	11,341	11,600	11,578	11,710	-2.2	+0.2	-1.1	11,495	11,927	11,919	11,945	13,519
36	Electrical Machinery.....	5,310	5,443	5,330	5,358	-2.4	+2.1	-0.5	5,289	5,635	5,611	5,547	6,065
37	Transportation equipment.....	4,811	4,869	4,866	4,905	-1.2	+0.1	-0.8	4,757	4,859	4,901	4,958	4,987
38	Instruments and related products..	2,431	2,324	2,359	2,335	+4.6	-1.5	+1.0	2,467	2,435	2,487	2,422	2,515
24, 25, 39	All other durable goods.....	5,631	5,544	5,576	5,494	+1.6	-0.6	+1.5	5,599	5,720	5,791	5,747	5,589
	Nondurable goods industries.....	39,091	38,355	38,649	38,514	+1.9	-0.8	+0.4	38,811	38,375	38,663	38,539	40,246
20	Food and kindred products.....	11,269	10,961	11,198	11,052	+2.8	-2.1	+1.3	10,661	10,165	10,427	10,555	10,877
21	Tobacco products.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
22	Textile mill products.....	2,446	2,439	2,409	2,362	+0.3	+1.2	+2.0	2,454	2,499	2,516	2,428	2,406
26	Paper and allied products.....	3,141	3,131	3,162	3,140	+0.3	-1.0	+0.7	3,161	3,274	3,370	3,278	3,252
28	Chemicals and allied products.....	8,872	8,721	8,794	8,817	+1.7	-0.8	-0.3	8,770	8,689	8,863	8,949	9,399
29	Petroleum and coal products.....	4,344	4,208	4,279	4,374	+3.2	-1.7	-2.2	4,408	4,151	4,101	4,218	4,651
30	Rubber and plastics products.....	2,648	2,714	2,733	2,688	-2.4	-0.7	+1.7	2,597	2,765	2,891	2,900	2,753
23, 27, 31	All other nondurable goods.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)

^pPreliminary. ^rRevised. (S) Suppressed because data do not meet Census Bureau publication standards.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio ¹			
		July 1983 ^P	June 1983 ^T	May 1983 ^T	Apr. 1983 ^T	July 1983 ^P	June 1983 ^T	May 1983 ^T	Apr. 1983 ^T
	All manufacturing industries.....	1.49	1.48	1.54	1.58	3.57	3.55	3.64	3.69
	Durable goods industries.....	1.98	1.96	2.07	2.12	4.37	4.33	4.47	4.54
32	Stone, clay, and glass products.....	1.43	1.37	1.42	1.49	0.55	0.53	0.53	0.54
33	Primary metals.....	1.97	2.08	2.17	2.29	2.32	2.40	2.43	2.52
34	Fabricated metal products.....	1.76	1.73	1.73	1.81	2.31	2.31	2.31	2.43
35	Machinery, except electrical.....	2.41	2.49	2.65	2.71	3.74	3.87	4.09	4.14
36	Electrical machinery.....	2.10	2.02	2.07	2.07	5.08	4.80	4.95	4.91
37	Transportation equipment.....	2.00	1.90	2.09	2.12	11.47	10.94	11.76	11.59
38	Instruments and related products.....	2.07	2.16	2.26	2.25	1.81	1.85	1.85	1.82
	Nondurable goods industries.....	1.01	1.00	1.02	1.06	0.56	0.55	0.55	0.55
20	Food and kindred products.....	0.85	0.83	0.84	0.88	(X)	(X)	(X)	(X)
21	Tobacco products.....	3.77	2.67	3.28	3.72	(X)	(X)	(X)	(X)
22	Textile mill products.....	1.46	1.47	1.49	1.49	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products.....	1.18	1.17	1.21	1.19	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products.....	1.20	1.19	1.23	1.33	(X)	(X)	(X)	(X)
29	Petroleum and coal products.....	0.50	0.52	0.54	0.54	(X)	(X)	(X)	(X)
30	Rubber and plastics products.....	1.25	1.31	1.34	1.37	(X)	(X)	(X)	(X)

^PPreliminary. ^TRevised. (X) Not applicable. (NA) Not available.

¹Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago July 1982	All Julys 1978-1982	July 1982-June 1983	Year ago July 1982	All Julys 1978-1982	July 1982-June 1983	Year ago July 1982	All Julys 1978-1982	July 1982-June 1983	Year ago July 1982	All Julys 1978-1982	July 1982-June 1983
	All manufacturing industries.	0.5	0.3	0.4	1.0	0.6	0.4	0.1	0.3	0.2	0.1	0.2	0.1
	Durable goods industries.....	0.9	0.6	0.4	1.5	1.0	0.7	0.2	0.2	0.2	0.0	0.1	0.1
32	Stone, clay, and glass products...	1.3	1.3	1.2	1.2	1.3	1.5	0.3	0.4	1.6	1.2	0.6	0.8
33	Primary metals.....	0.8	1.4	0.9	0.9	0.8	1.4	0.0	0.2	0.3	0.3	0.1	0.3
34	Fabricated metal products.....	0.7	0.4	1.1	2.6	1.5	2.2	0.7	0.4	0.6	0.2	0.4	0.3
35	Machinery, except electrical.....	1.2	1.3	1.0	4.2	3.8	2.6	0.6	0.8	0.5	0.2	0.2	0.2
36	Electrical machinery.....	0.1	0.7	0.6	0.1	0.5	1.1	0.1	0.2	0.2	0.1	0.2	0.2
37	Transportation equipment.....	1.1	1.2	1.0	0.4	1.4	1.5	0.0	0.1	0.2	0.1	0.3	0.2
38	Instruments and related products..	1.8	1.0	0.9	4.2	2.3	1.6	1.2	0.6	0.7	0.4	0.2	0.5
	Nondurable goods industries.....	0.5	0.7	0.5	0.6	0.6	0.4	0.3	0.9	0.5	0.3	0.5	0.3
20	Food and kindred products.....	0.9	1.0	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.8	0.9	0.7
21	Tobacco products.....	0.0	2.1	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.6	0.1
22	Textile mill products.....	2.2	2.0	1.5	2.2	2.0	1.4	0.1	1.1	1.0	0.6	0.5	0.6
26	Paper and allied products.....	1.9	1.6	1.3	1.9	1.7	2.0	0.1	1.3	1.6	0.4	0.9	0.4
28	Chemicals and allied products.....	1.8	1.2	1.2	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.3	0.3
29	Petroleum and coal products.....	0.9	0.6	0.9	(X)	(X)	(X)	(X)	(X)	(X)	0.7	0.7	1.0
30	Rubber and plastics products.....	1.2	1.3	1.3	(X)	(X)	(X)	(X)	(X)	(X)	0.7	0.5	0.9
	Capital Goods Industries:												
	Nondefense.....	0.7	0.9	1.0	2.3	5.2	2.2	0.2	0.3	0.5	0.1	0.1	0.1
	Defense.....	0.6	2.5	0.8	1.0	1.5	4.0	0.1	0.1	0.4	0.4	0.4	0.5

(X) Not Applicable

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

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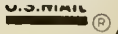
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